



SDSRV & DDSRV Implementation Plan

Doug O'Neill

dougo@eos.hitc.com

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New SLOC Estimates by Milestone

CI	IDR	D-DDR	Delta
Data Server			
Document Data Server (DDSRV)	4040	5040	1000
Science Data Server (SDSRV)	46500	53900	7400

- **Major SLOC Estimate Change Since IDR-B**
 - **Science Data Server (+3.4K)**, conversion of stored procedures from Sybase to Illustra
 - **Multi-State Granule - basic service (+1.5K)**
 - **Reprocessing - inaccessible files (+2.5K)**

Data Server Phased Recovery Plan



Implementation Plan focuses on providing a functional Release B Science Data Server in Phase 1 and adds additional products and services in Phase 2

- **Phase 1 (3 months)**
 - **Conversion from Release A SDSRV (Sybase based) to Release B SDSRV (Illustra based)**
 - **Implement selected new products and services (ESDTs)**
- **Phase 2 (4 months)**
 - **Complete implementation of new products and services (ESDTs)**
 - **Complete implementation of Document Data Server**

Implementation within the phases can be further distributed into highly parallel implementation tasks

- **Incremental deliveries can be made to I&T in Phase 2**

SDSRV & DDSRV will be on same phased schedule with other CIs by the end of Phase 1

New SLOC Estimates by Phase



Subsystem	Phase 1	Phase 2	Total
Document Data Server (DDSRV)	1,000	4,040	5,040
Science Data Server (SDSRV)	19,960	33,940	53,900

SDSRV Schedule Feasibility by Phase



Based on Parallel Implementation Activities

	Phase 1		Phase 2	
	SLOC	Duration	SLOC	Duration
Release A Retrofits	10,500	2.3		
Use of Illustra 4GL	3,400	1.5		
Release B New Generic Services	4,060	1.6	19,940	2.9
Release B New Products	2,000	1.2	14,000	2.5

* Duration is in Units of Months